CLAIMS

I claim:

5   1.   A system for diagnosing hemostasis utilizing a communication network, the system

comprising:

a blood hemostasis analyzer for testing a blood sample and providing at least one

parameter indicative of hemostasis, the blood hemostasis analyzer including an interface for

communicatively coupling the blood hemostasis analyzer to the communication network;

10   an analysis tool communicatively coupled to the communication network, the analysis

tool including an algorithm operable on the parameter to provide a result; and

wherein the blood hemostasis analyzer communicates the parameter to the analysis

tool via the communication network and the analysis tool generates the result based upon the

algorithm and the parameter.

15

2.   The system of claim 1, wherein the parameter comprises one of the parameters

selected from the group of parameters comprising: a fibrin formation time, a fibrin build-up

rapidity factor, a clot strength maximum amplitude and a rate of amplitude reduction.

20   3.   The system of claim 1, wherein the result comprises an indication of patient

hemostasis.

4.   The system of claim 1, wherein the result comprises a treatment recommendation.

5.   The system of claim 1, wherein either of the hemostasis analyzer and the analysis tool are coupled to the communication network wirelessly.

6.   The system of claim 1, wherein the analysis tool includes a database of patient information.

7.   The system of claim 6, wherein the analysis tool generates the result based upon the algorithm, the parameter and the patient information.

8.   The system of claim 1, wherein the algorithm includes signature analysis.

9.   A method for diagnosing hemostasis utilizing a communication network, the method comprising the steps of:

        determining a hemostasis parameter from a blood sample;

        communicating using the communication network the hemostasis parameter to an analysis tool including an algorithm; and

        determining a result from the hemostasis parameter using the algorithm.

10.   The method of claim 9, further comprising the step of:

        wherein the step of communicating comprises the step of coupling a hemostasis analyzer to the communication network.

11.   The method of claim 9, wherein the step of determining a result comprises providing a treatment recommendation.
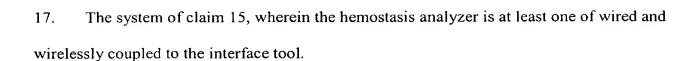
12.   The method of claim 9 further comprising the step of providing patient related information and the step of determining a result comprises determining the result from the hemostasis parameter and the patient information using the algorithm.

5   13.   The method of claim 9, wherein the step of communicating comprises communicating the hemostasis parameter wirelessly.

14.   The method of claim 9, wherein the step of determining a result comprises conducting a signature analysis.

10

15.   A system for diagnosing hemostasis utilizing a communication network comprising:

a hemostasis analyzer that provides a hemostasis parameter;

an analysis tool coupled to the communication network, the analysis tool including a processor, a memory and an algorithm retained within the memory, the algorithm operable on

15   the hemostasis parameter for providing a hemostasis indication;

an interface tool, the interface tool coupled between the hemostasis analyzer and the communication network; and

wherein the interface tool is in communication with the analysis tool via the communication network for permitting operation by the algorithm on the hemostasis

20   parameter to provide the hemostasis indication.

16.   The system of claim 15, wherein the interface tool includes a processor and a memory and the algorithm is downloadable from the analysis tool to the interface tool.

-19-

17.   The system of claim 15, wherein the hemostasis analyzer is at least one of wired and wirelessly coupled to the interface tool.

18.   The system of claim 15, wherein the interface tool is wirelessly coupled to the communication network.

19.   The system of claim 15, wherein the interface tool is wirelessly coupled to the hemostasis analyzer.

20.   The system of claim 15, wherein the interface tool comprises one of a personal computer, a personal digital assistant and a web enabled wireless communication device.